

Notice of Allowability

Application No.

10/691,566

Applicant(s)

CHINO ET AL.

Examiner

Abbas I. Abdulsalam

Art Unit

2629

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/17/04.
2. ☒ The allowed claim(s) is/are 1-17.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 3/17/04
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

RICHARD HJERPE

SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

DETAILED ACTION

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

Masaaki (JP 04-186332) teaches a light which is radiated from a light source 3 and transmitted through a light collecting optical means 5, color filter unit 7, liquid crystal display panel 8 and an image focusing optical means 9, which is radiated on a photosensitive recording medium 10, Masaaki further teaches that an image displayed on the liquid crystal display panel 1 8 by a liquid crystal display panel drive control means 24 is image-focused on the photosensitive recording medium 10 (see the abstract).

Regarding claim 1, the prior art does not teach a transfer apparatus comprising: a light source, an LCD element with RGB filters, wherein a photosensitive recording medium is arranged in series with the light source and with the LCD along an advancing direction of light from the light source so that an image display surface of the LCD device and a recording surface of the photosensitive recording medium oppose each other, and a display image having passed through the LCD is transferred onto the recording surface of the photosensitive recording medium, wherein accumulated maximum transmittance of the color filters in each of ranges, in which respective spectral transmittance curves of the color filters overlap each other, is set smaller than a predetermined value.

Regarding claim 7, the prior art does not teach a transfer apparatus comprising: a light source; and an LCD element, wherein a photosensitive recording medium is arranged in series with the light source and with LCD device along an advancing direction of light from the light

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source, and a display image having passed through the LCD device is transferred onto the photosensitive recording medium directly or through an image projecting unit, wherein the light source is constructed so that a light emission peak exceeding a predetermined size does not exist in each range in which at least two of red, green, and blue spectral sensitivities of the photosensitive recording medium overlap each other.

Regarding claim 10, the prior art does not teach A transfer apparatus comprising: a light source; and a LCD unit, wherein a photosensitive recording medium is arranged in series with the light source and the LCD along an advancing direction of light from the light source, and a display image of LCD device is transferred onto the photosensitive recording medium by exposing the photosensitive recording medium using light having passed through the LCD device, wherein the transfer apparatus further comprises: a control unit for controlling a tone of gray to be recorded on the photosensitive recording medium by controlling at least one of a wavelength and a light quantity of light passing through the LCD device device.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Abbas I. Abdulsalam whose telephone number is 571-272-7685. The examiner can normally be reached on Monday through Friday from 9:00A.M. to 5:30 P.M.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Hjerpe, can be reached on 571-272-7691. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Abbas Abdulsalam

Examiner

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June 14, 2006



RICHARD HJERPE
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TECHNOLOGY CENTER 2600